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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/047,101	01/17/2002	Daniel P. Carter	219.40000X00	219.40000X00 5731	
23838	7590 12/16/2003		EXAMINER		
KENYON & KENYON			DUONG, THO V		
1500 K STREET, N.W., SUITE 700 WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER	
			3743		
			DATE MAILED: 12/16/2003	13	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Applic	ation No.	Applicant(s)				
Office Action Summary		10/047	7,101	CARTER ET AL.				
		Exami	ner	Art Unit				
		Tho v [3743				
Period fo	The MAILING DATE of this commur or Reply	ication appears on	the cover sheet with the o	correspondence address				
THE I - Exter after - If the - If NO - Failu - Any r	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN risions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comperiod for reply specified above is less than thirty (3 period for reply is specified above, the maximum si re to reply within the set or extended period for reply eply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	ICATION. s of 37 CFR 1.136(a). In no nunication. so) days, a reply within the statutory period will apply an will, by statute, cause the	event, however, may a reply be ti statutory minimum of thirty (30) da d will expire SIX (6) MONTHS from application to become ABANDONE	mely filed /s will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).				
	Responsive to communication(s) file	ed on <u>23 Septembe</u>	<u>er 2003</u> .					
2a)⊠	This action is FINAL .	2b)☐ This action is	non-final.					
3)□								
Dispositi	on of Claims							
5)□ 6)⊠ 7)□	4) Claim(s) 1-42 is/are pending in the application. 4a) Of the above claim(s) 4-35 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3 and 36-42 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
•	on Papers		·		•			
9)☑ The specification is objected to by the Examiner. 10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
•	inder 35 U.S.C. §§ 119 and 120	•						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. 								
Attachmen								
2) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F nation Disclosure Statement(s) (PTO-1449) F			/ (PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

Response to Arguments

Applicant's arguments filed 9/23/2003 have been fully considered but they are not persuasive. Applicant's argument that Mira neither teaches nor suggests both the curved and bent configuration of the claimed fin, has been very carefully considered but is not deemed to be persuasive. See the rejection as bellow. The claims as amended and added are also moot in view of the new ground of rejection.

Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: the claimed subject matter of "at least one portion of each of said fins is bent along its height" and "the fins being bent along their height" are not provided in the specification.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-3 and 36-42 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The subject matters of "at least one portion of said fin is bent along its

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height" and "the fins being bent along their height" was not supported by the disclosure. It appears in figure 7 that the upper portion (208) does not bent along the fin height but rather bent at an intersection between the upper portions (208) and the vertical portions (207).

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Claims 1-3,36-38 and 40-42 are further rejected as can be best understood by the examiner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

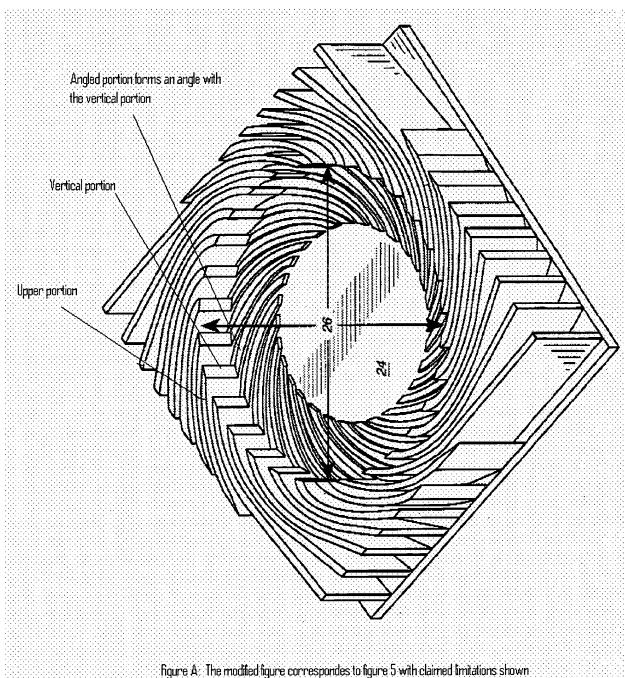
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3,36-38 and 40-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Mira (US 5,661,638). Mira discloses (figures 5-6 and column 3, line 56-column 4, line 2) a heat sink comprising a core (24) having a central axis; and a plurality of cooling fins (22) arranged about the core, wherein the fins (22) extending radially away from the core (24) and the fins (22) has been curved (bent) along its height (the curved portion extending from top to bottom edges of fin) to obtain arc-shaped fins (22) in order to capture at least a part of tangential component of airflow. Mira further discloses (figure 6 and figure A as bellow) that each fin (22) has a vertical portion and an angled portion, which also bent in the same direction. It appears in figure A that the vertical portion and the angled portion form a 90 degrees angle.

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Conclusion

The non-application of art against claim 39 should not be construed as an indication that the claim contains allowable subject matter.

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Applicant's amendment necessitated the new ground(s) of rejection presented in this

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Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Any inquiry concerning this communication or earlier communication from the examiner

should be directed to Tho Duong whose telephone number is (703) 305-0768. The examiner can

normally be reached on from 9:30-6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Henry Bennet, can be reached on (703) 308-0101. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0861.

Tho Duong

December 12, 2003

Henry Bennett Supervisory Patent Examiner